## What is claimed is:

- 1 1. A zoom lens comprising: a first lens group having a negative refractive power as a
- whole, a second lens group having a negative refractive power as a whole, and a third lens group
- 3 having a positive refractive power as a whole, arranged in said order from object side to image
- 4 side, for zooming from a wide-angle end to a telephoto end by means of moving said third lens
- 5 group from image plane side to objection side as well as for correcting image plane changes
- 6 required in accordance with said zooming by moving said second lens group; wherein .
- said first lens group consists of a lens having a negative refractive power and a prism for
- 8 changing a light path arranged in said order from the object side.
- 1 2. A zoom lens claimed in claim 1 wherein,
- 2 said second lens group consists of a lens having a negative refractive power; and an aperture stop is
- 3 provided between said second lens group and said third lens group.
- 1 3. A zoom lens claimed in claim 1 wherein,
- 2 said first lens group's lens has an aspherical surface.
- 1 4. A zoom lens claimed in claim 3 wherein,
- 2 said aspherical surface is formed on a surface with a smaller curvature radius.
- 5. A zoom lens claimed in claim 4 wherein,

said aspherical surface is formed to have a weaker negative refractive power weakening toward its 2 3 periphery. A zoom lens claimed in claim 1 wherein, 1 2 said third lens group has at least one lens with a positive refractive power and at least one lens with a negative refractive power. 3 A zoom lens claimed in claim 6 wherein, 7. 2 said third lens group has a lens at a position closest to the object having a positive 3 refractive power and an aspherical surface at least on one side. A zoom lens claimed in claim 1 wherein, 8. 2 the prism of said first lens group is formed to have an entrance surface and an exit surface both oblong in a direction perpendicular to a plane that includes an entrance axis and an exit axis. 3 9. A zoom lens claimed in claim 1 that satisfies the following equations (1) and (2): 0.25 < |fw/f1| < 0.72 (1) 3 (2) v1 > 40, where f1: focal length of the first lens group, 5 fw: focal length of the total lens system at the wide-angle end, and v1: Abbe number of the first lens group's lens.

A zoom lens claimed in claim 1 that satisfies the following equation (3): 10. 2 (3) 0.1 < f3/|f2| < 0.8where f2: focal length of the second lens group, and f3: focal length of the third lens group. 11. A zoom lens claimed in claim 2 wherein, said first lens group's lens has an 2 aspherical surface. 12. A zoom lens claimed in claim 2 wherein, said third lens group has at least one lens with a positive refractive power and at least one lens with a negative refractive power. 3 13. A zoom lens claimed in claim 3 wherein, 2 said third lens group has at least one lens with a positive refractive power and at least one lens with 3 a negative refractive power. A zoom lens claimed in claim 2 wherein, 2 the prism of said first lens group is formed to have an entrance surface and an exit surface both oblong in a direction perpendicular to a plane that includes an entrance axis and an exit axis. 3 15. A zoom lens claimed in claim 3 wherein,

- 2 the prism of said first lens group is formed to have an entrance surface and an exit surface both
- 3 oblong in a direction perpendicular to a plane that includes an entrance axis and an exit axis.
- 1 16. A zoom lens claimed in claim 2 that satisfies the following equations (1) and (2):
- 2 (1) 0.25 < |fw/f1| < 0.7,
- 3 (2) v1 > 40,
- 4 where f1: focal length of the first lens group,
- fw: focal length of the total lens system at the wide-angle end, and
- 6 v1: Abbe number of the first lens group's lens.
- 1 17. A zoom lens claimed in claim 3 that satisfies the following equations (1) and (2):
- 2 (1) 0.25 < |fw/f1| < 0.7,
- 3 (2) v1 > 40,
- 4 where f1: focal length of the first lens group,
- 5 fw: focal length of the total lens system at the wide-angle end, and
- 6 v1: Abbe number of the first lens group's lens.
- 1 18. A zoom lens claimed in claim 2 that satisfies the following equation (3):
- 2 (3)  $0.1 < \frac{f3}{f2} < 0.8$ ,
- where f2: focal length of the second lens group, and
- 4 f3: focal length of the third lens group.

- 1 19. A zoom lens claimed in claim 3 that satisfies the following equation (3):
- 2 (3) 0.1 < f3/|f2| < 0.8,
- where f2: focal length of the second lens group, and
- f3: focal length of the third lens group.
- 1 20. A zoom lens claimed in claim 9 that satisfies the following equation (3):
- 2 (3) 0.1 < f3/|f2| < 0.8,
- where f2: focal length of the second lens group, and
- f3: focal length of the third lens group.